

ATKINS1(BLAJ)\_ST25.txt  
SEQUENCE LISTING

<110> Johnson & Johnson Pty Ltd  
Unisearch Limited

<120> CATALYTIC MOLECULES

<130> ATKINS1

<140> 09/889,075

<141> 2002-09-09

<150> PCT/AU00/00011

<151> 2000-01-11

<150> PQ8103

<151> 1999-01-11

<160> 23

<170> PatentIn version 3.4

<210> 1

<211> 3132

<212> DNA

<213> Homo sapiens

<400> 1

ccgcagaact tggggagccg ccgcccgcct ccgcccgcgc agccagcttc cgccgcccgc	60
ggaccggccc ctgccccagc ctccgcagcc gcggcgcgtc cacgcccgcc cgcgcccagg	120
gcgagtcggg gtcgcccctt gcacgcttct cagtgttccc cgcgccccgc atgtaacccg	180
gccaggcccc cgcaacggtg tcccctgcag ctccagcccc gggctgcacc cccccgcccc	240
gacaccagct ctccagcctg ctcgctccagg atggccgcgg ccaaggccga gatgcagctg	300
atgtccccgc tgcagatctc tgacccgttc ggatcctttc ctactcggc caccatggac	360
aactacccta agctggagga gatgatgctg ctgagcaacg gggctcccca gttcctcggc	420
gccgcccggg ccccagaggg cagcggcagc aacagcagca gcagcagcag cgggggcggt	480
ggaggcggcg ggggcggcag caacagcagc agcagcagca gcaccttcaa ccctcaggcg	540
gacacgggcg agcagcccta cgagcacctg accgcagagt cttttcctga catctctctg	600
aacaacgaga aggtgctggt ggagaccagt taccagccg aaaccactcg actgcccccc	660
atcacctata ctggccgctt ttccctggag cctgcaccca acagtggcaa caccttgtgg	720
cccagagccc tcttcagctt ggctcagtggc ctagtgagca tgaccaaccc accggcctcc	780
tcgtcctcag caccatctcc agcggcctcc tccgcctccg cctcccagag cccacccctg	840
agctgcgcag tgccatccaa cgacagcagt cccatttact cagcggcacc caccttcccc	900
acgccgaaca ctgacatttt ccctgagcca caaagccagg ccttcccggg ctcggcaggg	960
acagcgctcc agtaccgccc tcctgcctac cctgccgcca aggggtggctt ccaggttccc	1020
atgatccccg actacctgtt tccacagcag cagggggatc tgggcctggg caccacagac	1080
cagaagccct tccagggcct ggagagccgc acccagcagc cttcgctaac ccctctgtct	1140
actattaagg cctttgccac tcagtcgggc tcccaggacc tgaaggccct caataccagc	1200

ATKINS1(BLAJ)\_ST25.txt

taccagtccc	agctcatcaa	acccagccgc	atgcgcaagt	atcccaaccg	gcccagcaag	1260
acgccccccc	acgaacgccc	ttacgcttgc	ccagtggagt	cctgtgatcg	ccgcttctcc	1320
cgctccgacg	agctcaccgc	ccacatccgc	atccacacag	gccagaagcc	cttccagtgc	1380
cgcattctgca	tgcgcaactt	cagccgcagc	gaccacctca	ccacccacat	ccgcacccac	1440
acaggcgaaa	agcccttcgc	ctgcgacatc	tgtggaagaa	agtttgccag	gagcgatgaa	1500
cgcaagaggc	ataccaagat	ccacttgccg	cagaaggaca	agaaagcaga	caaaagtgtt	1560
gtggcctctt	cggccacctc	ctctctctct	tcctaccctg	ccccggttgc	tacctcttac	1620
ccgtccccgg	ttactacctc	ttatccatcc	ccggccacca	cctcataccc	atcccctgtg	1680
cccacctcct	tctcctctcc	cggctcctcg	acctacccat	cccctgtgca	cagtggcttc	1740
ccctccccgt	cgggtggccac	cacgtactcc	tctgttcccc	ctgctttccc	ggcccagggtc	1800
agcagcttcc	cttcctcagc	tgtcaccaac	tccttcagcg	cctccacagg	gctttcggac	1860
atgacagcaa	ccttttctcc	caggacaatt	gaaatttgct	aaagggaaag	gggaaagaaa	1920
gggaaaaggg	agaaaaagaa	acacaagaga	cttaaaggac	aggaggagga	gatggccata	1980
ggagaggagg	gttcctctta	ggtcagatgg	aggttctcag	agccaagtcc	tccctctcta	2040
ctggagtggg	aggtctattg	gccaacaatc	ctttctgccc	acttcccctt	ccccaattac	2100
tattcccttt	gacttcagct	gcctgaaaca	gccatgtcca	agttcttcac	ctctatccaa	2160
agaacttgat	ttgcatggat	tttgataaaa	tcatttcagt	atcatctcca	tcatatgcct	2220
gaccccttgc	tcccttcaat	gctagaaaat	cgagttggca	aaatgggggt	tgggcccctc	2280
agagccctgc	cctgcaccct	tgtacagtgt	ctgtgccatg	gatttcgttt	ttcttgggggt	2340
actcttgatg	tgaagataat	ttgcatattc	tattgtatta	tttggagtta	ggtcctcact	2400
tgggggaaaa	aaaaaaaaaa	aagccaagca	aaccaatggg	gatcctctat	tttgtgatga	2460
tgctgtgaca	ataagtttga	accttttttt	ttgaaacagc	agtcccagta	ttctcagagc	2520
atgtgtcaga	gtgttggtcc	gttaaccttt	ttgtaaatac	tgcttgaccg	tactctcaca	2580
tgtggcaaaa	tatggtttgg	tttttctttt	ttttttttga	aagtgttttt	tcttcgtcct	2640
tttggtttaa	aaagtttcac	gtcttggtgc	cttttgtgtg	atgccccttg	ctgatggctt	2700
gacatgtgca	attgtgaggg	acatgctcac	ctctagcctt	aagggggggc	gggagtgatg	2760
at ttggggga	ggctttggga	gcaaaataag	gaagagggct	gagctgagct	tcggttctcc	2820
agaatgtaag	aaaacaaaat	ctaaaacaaa	atctgaactc	tcaaaagtct	at ttttttaa	2880
ctgaaaatgt	aaatttataa	atatattcag	gagttggaat	gttgtagtta	cctactgagt	2940
aggcggcgat	ttttgtatgt	tatgaacatg	cagttcatta	ttttgtgggt	ctat ttttact	3000
ttgtacttgt	gtttgcttaa	acaaagtgac	tgtttggtct	ataaacacat	tgaatgcgct	3060
ttattgcca	tgggatatgt	ggtgtatatc	cttccaaaaa	attaaaacga	aaataaagta	3120
gctgcgattg	gg					3132

<211> 15  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> synthetic  
  
 <220>  
 <221> misc\_feature  
 <223> Catalytic domain of DNAzyme  
  
 <400> 2  
 ggctagctac aacga 15  
  
 <210> 3  
 <211> 33  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> synthetic  
  
 <220>  
 <221> misc\_feature  
 <223> DNAzyme  
  
 <400> 3  
 caggggacag gctagctaca acgacgttgc ggg 33  
  
 <210> 4  
 <211> 33  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> synthetic  
  
 <220>  
 <221> misc\_feature  
 <223> DNAzyme  
  
 <400> 4  
 tgcaggggag gctagctaca acgaaccgtt gcg 33  
  
 <210> 5  
 <211> 33  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> synthetic  
  
 <220>  
 <221> misc\_feature  
 <223> DNAzyme  
  
 <400> 5  
 catcctggag gctagctaca acgagagcag gct 33  
  
 <210> 6

<211> 33  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <223> DNAzyme

<400> 6  
 ccgcggccag gctagctaca acgacctgga cga

33

<210> 7  
 <211> 33  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <223> DNAzyme

<400> 7  
 ccgctgccag gctagctaca acgacccgga cgt

33

<210> 8  
 <211> 33  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <223> DNAzyme

<400> 8  
 gcggggacag gctagctaca acgacagctg cat

33

<210> 9  
 <211> 33  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <223> DNAzyme

<400> 9  
 cagcggggag gctagctaca acgaatcagc tgc

33

<210> 10

ATKINS1(BLAJ)\_ST25.txt

<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 10  
ggtcagagag gctagctaca acgactgcag cgg 33

<210> 11  
<211> 3068  
<212> DNA  
<213> Mus musculus

<400> 11  
ggggagccgc cgccgcgatt cgccgccgcc gccagcttcc gccgccgcaa gatcggcccc 60  
tgccccagcc tccgcggcag ccctgcgctc accacggggc gcggctaccg ccagcctggg 120  
ggcccaccta cactccccgc agtgtgcccc tgcaccccgat atgtaacccg gccaaccccc 180  
ggcgagtgtg ccctcagtag cttcggcccc gggctgcgcc caccacccaa catcagttct 240  
ccagctcgct ggtccgggat ggcagcggcc aaggccgaga tgcaattgat gtctccgctg 300  
cagatctctg acccgttcgg ctcttttctt cactcaccca ccatggacaa ctacccccaa 360  
ctggaggaga tgatgctgct gagcaacggg gctccccagt tcctcgggtg tgccggaacc 420  
ccagagggca gcggcggtta tagcagcagc agcaccagca gcggggggcg tggtagggggc 480  
ggcagcaaca gcggcagcag cgccttcaat cctcaagggg agccgagcga acaaccctat 540  
gagcacctga ccacagagtc cttttctgac atcgctctga ataatgagaa ggcgatggtg 600  
gagacgagtt atcccagcca aacgactcgg ttgcctccca tcacctatac tggccgcttc 660  
tccctggagc ccgcacccaa cagtggcaac actttgtggc ctgaaccctt tttcagccta 720  
gtcagtggcc tcgtgagcat gaccaatcct ccgacctctt catcctcggc gccttctcca 780  
gctgcttcat cgtcttcttc tgccctccag agcccgcccc tgagctgtgc cgtgccgttc 840  
aacgacagca gtcccatcta ctccgctgcg cccacctttc ctactcccaa cactgacatt 900  
tttcctgagc cccaaagcca ggccttttct ggctcggcag gcacagcctt gcagtaccgc 960  
cctcctgcct accctgccac caaagggtgt ttccagggtc ccatgatccc tgactatctg 1020  
tttccacaac aacagggaga cctgagcctg ggcaccccag accagaagcc cttccagggt 1080  
ctggagaacc gtacccagca gccttcgctc actccactat ccactattaa agccttcgcc 1140  
actcagtcgg gctcccagga cttaaaggct cttaatacca cctaccaatc ccagctcatc 1200  
aaaccagcc gcatgcgcaa gtaccccaac cggcccagca agacaccccc ccatgaacgc 1260  
ccatatgctt gccctgtcga gtcctgcgat cgccgctttt ctgctcggga tgagcttacc 1320  
cgccatatcc gcatccacac aggccagaag cccttccagt gtcgaatctg catgcgtaac 1380

ATKINS1(BLAJ)\_ST25.txt

ttcagtcgta gtgaccacct taccacccac atccgcaccc acacaggcga gaagcctttt	1440
gcctgtgaca tttgtgggag gaagtttgcc aggagtgatg aacgcaagag gcataccaaa	1500
atccatttaa gacagaagga caagaaagca gacaaaagtg tgggtggcctc cccggctgcc	1560
tcttcactct cttcttacct atccccagtg gctacctcct acccatcccc tgccaccacc	1620
tcattcccat cccctgtgcc cacttcctac tcctctcctg gctcctccac ctacccatct	1680
cctgcgcaca gtggcttccc gtcgccgtca gtggccacca cctttgcctc cgttccacct	1740
gctttcccca cccagggtcag cagcttcccc tctgcgggag tcagcagctc cttcagcacc	1800
tcaactgggtc tttcagacat gacagcgacc ttttctccca ggacaattga aatttgctaa	1860
aggggaataaa agaaagcaaa gggagaggca ggaaagacat aaaagcacag gaggggaagag	1920
atggccgcaa gagggggccac ctcttaggtc agatggaaga tctcagagcc aagtccttct	1980
actcacgagt agaaggaccg ttggccaaca gccctttcac ttaccatccc tgccctcccc	2040
gtcctgttcc ctttgacttc agctgcctga aacagccatg tccaagttct tcacctctat	2100
ccaaaggact tgatttgcac ggtattggat aaatcatttc agtatcctct ccatcacatg	2160
cctggccctt gctcccttca gcgctagacc atcaagttgg cataaagaaa aaaaaatggg	2220
tttgggccct cagaaccctg ccctgcatct ttgtacagca tctgtgccat ggattttgtt	2280
ttccttgggg tattcttgat gtgaagataa tttgcatact ctattgtatt atttgagatt	2340
aaatcctcac tttgggggag gggggagcaa agccaagcaa accaatgatg atcctctatt	2400
ttgtgatgac tctgctgtga cattaggttt gaagcatttt ttttttcaag cagcagtcct	2460
aggtattaac tggagcatgt gtcagagtgt tgttccgtta attttgtaaa tactggctcg	2520
actgtaactc tcacatgtga caaagtatgg tttgttttgt tgggttttgt ttttgagaat	2580
ttttttgccc gtcccttttg tttcaaaagt ttcacgtctt ggtgcctttt gtgtgacacg	2640
ccttccgatg gcttgacatg cgcagatgtg agggacacgc tcaccttagc cttagggggg	2700
taggagtgat gtgttggggg aggcttgaga gcaaaaacga ggaagagggc tgagctgagc	2760
tttcggtctc cagaatgtaa gaagaaaaaa tttaaacaaa aatctgaact ctcaaaagtc	2820
tatttttcta aactgaaaat gtaaatttat acatctattc aggagttaga gtgttggtgt	2880
tacctactga gtaggctgca gtttttgtat gttatgaaca tgaagtcat tattttgtgg	2940
ttttatttta ctttgtactt gtgtttgctt aaacaaagta acctgttttg cttataaaca	3000
cattgaatgc gctctattgc ccatgggata tgtggtgtgt atccttcaga aaaattaaaa	3060
ggaaaaat	3068

<210> 12  
 <211> 4321  
 <212> DNA  
 <213> Rattus rattus

<400> 12	
ccgcggagcc tcagctctac gcgcctggcg ccctccctac gcgggcgtcc ccgactcccg	60
cgcgcggttca ggctccgggt tgggaaccaa ggagggggag ggtgggtgag ccgacccgga	120

ATKINS1(BLAJ)\_ST25.txt

aacaccatat	aaggagcagg	aaggatcccc	cgccggaaca	gaccttattt	gggcagcgcc	180
ttatatggag	tggcccaata	tggccctgcc	gcttccggct	ctgggaggag	gggcgaacgg	240
gggttggggc	gggggcaagc	tgggaactcc	aggagcctag	cccgggaggc	cactgccgct	300
gttccaatac	taggctttcc	aggagcctga	gcgctcaggg	tgccggagcc	ggtcgcaggg	360
tggaagcgcc	caccgctctt	ggatgggagg	tcttcacgtc	actccgggtc	ctcccggtcg	420
gtccttccat	attagggctt	cctgcttccc	atatatggcc	atgtacgtca	cggcggaggc	480
gggcccgtgc	tgtttcagac	ccttgaaata	gaggccgatt	cggggagtcg	cgagagatcc	540
cagcgcgag	aacttgggga	gccgccgccg	cgattcgccg	ccgccgccag	cttccgccgc	600
cgcaagatcg	gcccctgccc	cagcctccgc	ggcagccctg	cgtccaccac	gggccgcggc	660
caccgccagc	ctggggggccc	acctacactc	cccgcagtgt	gcccctgcac	cccgcattgt	720
acccggccaa	catccggcga	gtgtgccctc	agtagcttcg	gccccgggct	gcgcccacca	780
cccaacatca	gctctccagc	tcgcacgtcc	gggatggcag	cggccaaggc	cgagatgcaa	840
ttgatgtctc	cgctgcagat	ctctgacccg	ttcggctcct	ttcctcactc	acccaccatg	900
gacaactacc	ccaaactgga	ggagatgatg	ctgctgagca	acgggggtcc	ccagttcctc	960
ggtgctgccg	gaaccccaga	gggcagcggc	ggcaataaca	gcagcagcag	cagcagcagc	1020
agcagcgggg	gcggtggtgg	gggcggcagc	aacagcggca	gcagcgcttt	caatcctcaa	1080
ggggagccga	gcgaacaacc	ctacgagcac	ctgaccacag	gtaagcgggtg	gtctgcgccg	1140
aggctgaatc	ccccttcgtg	actaccctaa	cgtccagtcc	tttgcagcac	ggacctgcat	1200
ctagatctta	gggacgggat	tgggatttcc	ctctattcca	cacagctcca	gggacttggtg	1260
ttagagggat	gtctggggac	cccccaaccc	tccatccttg	cgggtgcgcg	gagggcagac	1320
cgtttgtttt	ggatggagaa	ctcaagttgc	gtgggtggct	ggagtggggg	agggtttggt	1380
ttgatgagca	gggttgcccc	ctccccgcg	cgcgttgtcg	cgagccttgt	ttgcagcttg	1440
ttcccaagga	agggctgaaa	tctgtcacca	gggatgtccc	gccgcccagg	gtaggggcgc	1500
gcattagctg	tggccactag	ggtgctggcg	ggattccctc	accccggacg	cctgctgcgg	1560
agcgctctca	gagctgcagt	agagggggat	tctctgtttg	cgtcagctgt	cgaaatggct	1620
ctgccactgg	agcaggtcca	ggaacattgc	aatctgctgc	tatcaattat	taaccacatc	1680
gagagtcagt	ggtagccggg	cgacctcttg	cctggccgct	tcggctctca	tcgtccagtg	1740
attgctctcc	agtaaccagg	cctctctgtt	ctctttcctg	ccagagtcct	tttctgacat	1800
cgctctgaat	aacgagaagg	cgctgggtgga	gacaagttat	cccagccaaa	ctacccgggt	1860
gcctcccatc	acctatactg	gccgcttctc	cctggagcct	gcaccaaca	gtggcaacac	1920
tttgtggcct	gaaccccttt	tcagcctagt	cagtggcctt	gtgagcatga	ccaaccctcc	1980
aacctcttca	tcctcagcgc	cttctccagc	tgcttcatcg	tcttcctctg	cctcccagag	2040
cccacccctg	agctgtgccg	tgccgtccaa	cgacagcagt	cccatttact	cagctgcacc	2100
cacctttcct	actcccaaca	ctgacatttt	tcctgagccc	caaagccagg	cctttcctgg	2160

ATKINS1(BLAJ)\_ST25.txt

ctctgcaggc	acagccttgc	agtacccgcc	tcctgcctac	cctgccacca	aggggtggttt	2220
ccagggttccc	atgatccctg	actatctgtt	tccacaacaa	cagggagacc	tgagcctggg	2280
caccccagac	cagaagccct	tccaggggtct	ggagaaccgt	accagcagc	cttcgctcac	2340
tccactatcc	actatcaaag	ccttcgccac	tcagtcgggc	tcccaggact	taaaggctct	2400
taataacacc	taccagtccc	aactcatcaa	accagccgc	atgcgcaagt	acccaaccg	2460
gcccagcaag	acaccccccc	atgaacgccc	gtatgcttgc	cctgttgagt	cctgcgatcg	2520
ccgctttttct	cgctcgggatg	agcttacacg	ccacatccgc	atccatacag	gccagaagcc	2580
cttccagtgt	cgaatctgca	tgcgtaattt	cagtcgtagt	gaccacctta	ccaccacat	2640
ccgcacccac	acaggcgaga	agccttttgc	ctgtgacatt	tgtgggagaa	agtttgccag	2700
gagtgatgaa	cgcaagaggc	ataccaaaat	ccacttaaga	cagaaggaca	agaaagcaga	2760
caaaagtgtc	gtggcctcct	cagctgcctc	ttccctctct	tcctacccat	ccccagtggc	2820
tacctcctac	ccatcccccg	ccaccacctc	atttccatcc	ccagtgccca	cctcttactc	2880
ctctccgggc	tcctctacct	accggtctcc	tgcacacagt	ggcttcccat	cgccctcggt	2940
ggccaccacc	tatgcctccg	tcccacctgc	tttccctgcc	caggtcagca	ccttccagtc	3000
tgcaggggtc	agcaactcct	tcagcacctc	aacgggtctt	tcagacatga	cagcaacctt	3060
ttctcctagg	acaattgaaa	tttgctaaag	ggaatgaaag	agagcaaagg	gaggggagcg	3120
cgagagacaa	taaaggacag	gaggggaagaa	atggcccgc	agaggggctg	cctcttaggt	3180
cagatggaag	atctcagagc	caagtccttc	tagtcagtag	aaggcccgtt	ggccaccagc	3240
cctttcactt	agcgtccctg	ccctccccag	tcccggtcct	tttgacttca	gctgcctgaa	3300
acagccacgt	ccaagtctct	cacctctatc	caaaggactt	gatttgcattg	gtattggata	3360
aaccattttca	gcatcatctc	caccacatgc	ctggcccttg	ctcccttcag	cactagaaca	3420
tcaagttggc	tgaaaaaaaa	aatgggtctg	ggccctcaga	accctgccct	gtatctttgt	3480
acagcatctg	tgccatggat	tttgttttcc	ttgggggtatt	cttgatgtga	agataatttg	3540
catactctat	tgtactattt	ggagttaa	tctcactttg	ggggaggggg	agcaaagcca	3600
agcaaaccaa	tggtgatcct	ctattttgtg	atgatcctgc	tgtgacatta	ggtttgaaac	3660
tttttttttt	ttttgaagca	gcagtcctag	gtattaactg	gagcatgtgt	cagagtgttg	3720
ttccgttaat	tttgtaaata	ctgctcgact	gtaactctca	catgtgacaa	aatacggttt	3780
gtttggtttg	gttttttgtt	gtttttgaaa	aaaaaatttt	ttttttgccc	gtcccttttg	3840
tttcaaaagt	ttcacgtctt	ggcgcctttg	tgtgacacac	cttgccgatg	gctggacatg	3900
tgcaatcgtg	aggggacacg	ctcacctcta	gccttaaggg	ggtaggagtg	atgtttcagg	3960
ggaggcttta	gagcacgatg	aggaagaggg	ctgagctgag	ctttggttct	ccagaatgta	4020
agaagaaaaa	tttaaaacaa	aaatctgaac	tctcaaaagt	ctattttttt	aactgaaaat	4080
gtagatttat	ccatgttcgg	gagttggaat	gctgcggtta	cctactgagt	aggcggtgac	4140
ttttgtatgc	tatgaacatg	aagttcatta	ttttgtgggt	ttattttact	tcgtacttgt	4200



ATKINS1(BLAJ)\_ST25.txt

gtttgcttaa acaaagtgac ttgtttggct tataaacaca ttgaatgcgc tttactgccc 4260  
atgggatatg tgggtgtgtat ccttcagaaa aattaaaagg aaaataaaga aactaactgg 4320  
t 4321

<210> 13  
<211> 19  
<212> RNA  
<213> Rattus rattus

<400> 13  
acguccggga uggcagcgg 19

<210> 14  
<211> 19  
<212> RNA  
<213> Homo sapiens

<400> 14  
ucguccagga uggccgcgg 19

<210> 15  
<211> 34  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<220>  
<221> misc\_feature  
<222> (33)..(34)  
<223> 3'-3-linked T

<400> 15  
caggggacag gctagctaca acgacggttg gcgt 34

<210> 16  
<211> 34  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<220>  
<221> misc\_feature  
<222> (33)..(34)  
<223> 3'-3-linked T

<400> 16  
tgcaggggag gctagctaca acgaaccggt gcgt 34

<210> 17  
 <211> 34  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <223> DNAzyme

<220>  
 <221> misc\_feature  
 <222> (33)..(34)  
 <223> 3'-3-linked T

<400> 17  
 catcctggag gctagctaca acgagagcag gctt

34

<210> 18  
 <211> 34  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <223> DNAzyme

<220>  
 <221> misc\_feature  
 <222> (33)..(34)  
 <223> 3'-3-linked T

<400> 18  
 tcagctgcag gctagctaca acgactcggc cttt

34

<210> 19  
 <211> 34  
 <212> DNA  
 <213> Artificial

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <223> DNAzyme

<220>  
 <221> misc\_feature  
 <222> (33)..(34)  
 <223> 3'-3-linked T

<400> 19  
 gcggggacag gctagctaca acgacagctg catt

34

ATKINS1(BLAJ)\_ST25.txt

<210>	20	
<211>	15	
<212>	DNA	
<213>	Rattus rattus	
<400>	20	
	cttggccgct gccat	15
<210>	21	
<211>	22	
<212>	RNA	
<213>	Synthetic Rat	
<400>	21	
	gcacguccgg auggcagcgg cc	22
<210>	22	
<211>	34	
<212>	DNA	
<213>	Synthetic Rat	
<400>	22	
	ccgctgccag gctagctaca acgacccgga cggt	34
<210>	23	
<211>	34	
<212>	DNA	
<213>	Synthetic Rat	
<400>	23	
	gccagccgcg gctagctaca acgatggctc cact	34